

## P.S.C.U. No. 50

# **First Second** Revision of Sheet No. 140.11 Canceling Original First Revision of Sheet No. 140.11

### **ELECTRIC SERVICE SCHEDULE NO. 140 - Continued**

Notes for table 3a - HVAC equipment incentive table (continued)

- **AHRI** = Air Conditioning, Heating, and Refrigeration Institute
- **CEE =** Consortium for Energy Efficiency
- **COP** = Coefficient of Performance
- **EER** = Energy Efficiency Ratio
- **HSPF** = Heating Seasonal Performance Factor
- HVAC = Heating, Ventilation and Air Conditioning
- IEER = Integrated Energy Efficiency Ratio
- IPLV = Integrated Part Load Value
- **PTAC =** Packaged Terminal Air Conditioner
- **PTHP** = Packaged Terminal Heat Pump
- SEER = Seasonal Energy Efficiency Ratio
- **VFR =** Variable Refrigerant Flow

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Incentive "up to"
Evaporative Cooling Indirect-Direct Evaporative Cooling (IDEC) Chillers	All sizes All sizes All except chillers intended for backup service only	Direct or Indirect Serving primarily occupant comfort cooling loads (no	Applicable system components must exceed minimum efficiencies required by energy code Must exceed minimum efficiencies required by energy code	\$0.06/ CFM \$0.15/kWh annual energy savings See Note 2 \$0.15/kWh annual energy savings See Note 3
365/366 day Programmable or Occupancy-based	All sizes in portable classrooms with mechanical cooling	more than 20% for process cooling loads) Must be installed in portable classroom unoccupied during	365/366 day thermostatic or occupancy based setback capability	\$150/thermostat
Thermostat Occupancy Based PTHP/PTAC control	All sizes with no prior occupancy based control	summer months	See Note 5	\$50/controller
Evaporative Pre-cooler (Retrofit Only)		For single air- cooled packaged rooftop or matched split system condensers only	Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment.	\$75/ton of attached cooling capacity (See Note 5)
Advanced Rooftop Unit Control	$\geq$ 5 tons and $\leq$ 10 tons	Must be installed on existing unitary	<u>Controls must include:</u> <u>- Either a supply fan VFD or</u> <u>multi-speed supply fan motor</u> <u>with controller that meets</u>	<u>\$2,000</u>
	$\frac{> 10 \text{ tons and } \le 15}{\underline{\text{tons}}}$	$\frac{\text{packaged rooftop}}{\text{units (no split-}}$ $\frac{\text{systems}}{\text{systems}} \ge 5 \text{ tons}$		<u>\$2,800</u>
	$\geq$ 15 tons and $\leq$ 20 tons	nominal cooling capacity with	ventilation and space conditioning needs Digital, integrated	<u>\$4,000</u>
	<u>&gt; 20 tons</u>	<u>constant speed</u> supply fans.	<u>economizer control</u>	<u>\$4,500</u>

## Table 3b – Other HVAC Incentives

#### Notes for Table 3b

- 1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
- 2. Incentives paid at \$0.15/kWh annual energy savings. IDEC energy savings subject to approval by the Company.
- 3. Incentives paid at \$0.15/kWh annual energy savings. Chiller energy savings subject to approval by the Company.
- 4. Controller units must include an occupancy based control and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.

### (Continued)

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### **ELECTRIC SERVICE SCHEDULE NO. 140 - Continued**

- 5. Incentives for Evaporative Pre-coolers are capped at 70 percent of Energy Efficiency Project Costs and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year.
- 6. Energy Efficiency Project Costs are subject to Rocky Mountain Power approval.

**CFM** = Cubic Feet per Minute

**HVAC** = Heating, Ventilating and Air Conditioning

**IDEC** = Indirect Direct Evaporative Cooling

**PTAC** = Packaged Terminal Air Conditioner

**PTHP** = Packaged Terminal Heat Pump

(Continued)

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